

LUBRICATING OIL COMPOSITION**Publication number:** JP2002294268**Publication date:** 2002-10-09**Inventor:** BABA ZENJI**Applicant:** SHOWA SHELL SEKIYU**Classification:**

- International: C10M169/04; C10M101/02; C10M107/06; C10M107/08;
C10M107/10; C10M133/16; C10M137/10; C10M141/10;
C10N20/00; C10N20/02; C10N30/06; C10N30/12;
C10N40/00; C10N40/02; C10N40/04; C10N40/08;
C10N40/30; C10M169/00; C10M101/00; C10M107/00;
C10M133/00; C10M137/00; C10M141/00; (IPC1-7):
C10M169/04; C10M101/02; C10M107/06; C10M107/08;
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C10N20/02; C10N30/06; C10N30/12; C10N40/00;
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- European: C10M141/10

Application number: JP20010095516 20010329**Priority number(s):** JP20010095516 20010329**Also published as:** WO02079358 (A2)[Report a data error here](#)**Abstract of JP2002294268**

PROBLEM TO BE SOLVED: To provide a lubricating oil composition not containing a metal which has an excellent extreme-pressure performance and rust preventability. **SOLUTION:** This lubricating oil composition contains 0.001-0.5 pt.wt. of β -dithiophosphorylpropionic acid of formula 1: $S=P(-O-R<1>)_2SCH_2CH(R<2>)COOH$ (wherein $R<1>$ is a 3-8C branched alkyl group and $R<2>$ is -H, a 1-4C straight chain or branched alkyl group) as an extreme-pressure agent to 100 pts.wt. of a base oil of the lubricating oil and 0.005-1 pt.wt. of a polyalkylenepolyamide as a rust preventive agent obtained from a reaction of a polyalkylamine of formula 2: $H_2N-(R<3>-NH)_mH$ (wherein $R<3>$ is a 2-4C alkylene group and m is an integer of 2-6 with a 12-30C saturated monocarboxylic or an 18-24C unsaturated monocarboxylic acid).

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